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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/727,642	12/05/2003	Michael Redecker	P56987	9637
75	90 01/30/2006		EXAM	INER
Robert E. Bushnell			THOMPSON, CAMIE S	
Suite 300 1522 K Street, N.W.			ART UNIT	PAPER NUMBER
Washington, DC 20005			1774	

DATE MAILED: 01/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

· · · · · · · · · · · · · · · · · · ·		Application No.	Applicant(s)				
Office Action Summary		10/727,642	REDECKER, MICHAEL				
		Examiner	Art Unit				
		Camie S. Thompson	1774				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHOWHIC - Externafter - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REP CHEVER IS LONGER, FROM THE MAILING I asions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory perior to reply within the set or extended period for reply will, by statu- teply received by the Office later than three months after the mail and patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tind d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status			•				
2a)□	Responsive to communication(s) filed on This action is FINAL . 2b) The Since this application is in condition for allow closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro					
Dispositi	on of Claims						
5)☐ 6)⊠ 7)☐ 8)☐ Applicati 9)☐ 10)☐	Claim(s) 1-20 is/are pending in the application 4a) Of the above claim(s) is/are withdrough Claim(s) is/are allowed. Claim(s) 1-3,5-10,14,16 and 17 is/are rejected Claim(s) is/are objected to. Claim(s) are subject to restriction and/on Papers The specification is objected to by the Examination The drawing(s) filed on is/are: a) and Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examination of the oath or declaration of the oath or declaration of the oath o	awn from consideration. d. for election requirement. her. ccepted or b) objected to by the force of the drawing(s) be held in abeyance. See oction is required if the drawing(s) is objected.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority u	inder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) 🔲 Notice 3) 🔯 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 r No(s)/Mail Date 12/5/03; 1/12/05.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3, 5-10, 14 and 16-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Ichimura et al., U. S. Patent Number 6,337,167.

Ichimura discloses a chemical compound

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The compound of the Ichimura reference reads on the instant claims when

is the electron donor group; is the conjugated bridging element and is the electron acceptor group as per the instant claims. The reference also discloses that the chemical compound can be used in an electroluminescent display device (see Figure 32-35).

3. Claims 4, 9, 12-13 and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The prior art does not provide for the recited chemical compound, further including the electron donor group is selected from the group consisting of carbazole, thiophene and oligomers thereof. Additionally, the prior art does not provide for the recited chemical compound, further including the electron acceptor is selected from the group consisting of the following compounds of formulas 3a through 3m

[Formula 3a]

[Formula 3b]

[Formula 3c]

[Formula 3d]

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The prior art does not provide for the recited chemical compound, further including the compound being selected from the group consisting of the following compounds of formulas 4a through 4c:

The prior art does not provide for the recited compound, further including the compound being selected from the group consisting of the following compounds of formula 5a through 5c:

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wherein n is a number ranging from 100 to 2,000. Also, the prior art does not provide for the recited chemical compound, further including the conjugated briding element is a polymer having a main chain and a branched or side chain having an alkyl group or an alkoxy group. The prior art does not provide for a photoluminescence quenching device comprising the recited chemical compound wherein the device comprises a layer of polyethylenedioxythiophene/polystyrenesulfonic acid and an emitter polymer layer having a material selected from the group consisting of the following compounds:

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wherein n is a number ranging from 100 to 2, 000.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Camie S. Thompson whose telephone number is (571) 272-1530. The examiner can normally be reached on Monday through Friday from 7:30 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena L Dye, can be reached at (571) 272-3186. The fax phone number for the Group is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)

SUPERVISORY PATENT EXAMINER

A.U. (174 1/20 / 0)